EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	218	"4-phenylbutyrate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:55
L2	218	L1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:55
L3	12968	aspartame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L4	4322	acesulfame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L5	3751	L3 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L6	1	L1 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L7	25	L1 and L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:57

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 NEWS  2  JUL 02   LMEDLINE coverage updated
 NEWS  3  JUL 02   SCISEARCH enhanced with complete author names
 NEWS  4  JUL 02   CHEMCATS accession numbers revised
 NEWS  5  JUL 02   CA/CAplus enhanced with utility model patents from China
 NEWS  6  JUL 16   CAplus enhanced with French and German abstracts
 NEWS  7  JUL 18   CA/CAplus patent coverage enhanced
 NEWS  8  JUL 26   USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS  9  JUL 30   USGENE now available on STN
 NEWS 10  AUG 06   CAS REGISTRY enhanced with new experimental property tags
 NEWS 11  AUG 06   FSTA enhanced with new thesaurus edition
 NEWS 12  AUG 13   CA/CAplus enhanced with additional kind codes for granted
                   patents
 NEWS 13  AUG 20   CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS 14  AUG 27   Full-text patent databases enhanced with predefined
                   patent family display formats from INPADOCDB
 NEWS 15  AUG 27   USPATOLD now available on STN
 NEWS 16  AUG 28   CAS REGISTRY enhanced with additional experimental
                   spectral property data
 NEWS 17  SEP 07   STN AnaVist, Version 2.0, now available with Derwent
                   World Patents Index
 NEWS 18  SEP 13   FORIS renamed to SOFIS
 NEWS 19  SEP 13   INPADOCDB enhanced with monthly SDI frequency
 NEWS 20  SEP 17   CA/CAplus enhanced with printed CA page images from
                   1967-1998
 NEWS 21  SEP 17   CAplus coverage extended to include traditional medicine
                   patents
 NEWS 22  SEP 24   EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 23  OCT 02   CA/CAplus enhanced with pre-1907 records from Chemisches
                   Zentralblatt
 NEWS 24  OCT 19   BEILSTEIN updated with new compounds
 NEWS 25  NOV 15   Derwent Indian patent publication number format enhanced
 NEWS 26  NOV 19   WPIX enhanced with XML display format
 NEWS 27  NOV 30   ICSD reloaded with enhancements
 NEWS 28  DEC 04   LINPADOCDB now available on STN

 NEWS EXPRESS  19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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 NEWS IPC8     For general information regarding STN implementation of IPC 8

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=> file caplus medline embase biosis
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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FILE 'BIOSIS' ENTERED AT 10:46:58 ON 10 DEC 2007
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=> s 1716-12-7
L1          315 1716-12-7

=> s Buphenyl
L2           25 BUPHENYL

=> s 4-phenylbutyrate
L3          688 4-PHENYLBUTYRATE

=> s sodium phenylbutyrate
L4          451 SODIUM PHENYLBUTYRATE

=> s L1 or l2 or L3 or L4
L5         1173 L1 OR L2 OR L3 OR L4

=> dup rem L5
PROCESSING COMPLETED FOR L5
L6           756 DUP REM L5 (417 DUPLICATES REMOVED)

=> s L6 and (AY<2003 or PY<2003 or PRY<2003)
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
   2 FILES SEARCHED...
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
L7          458 L6 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> s aspartame
L8         8428 ASPARTAME

=> s L7 and L8
L9            1 L7 AND L8

=> d L9 ibib abs
```

```
L9   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:633292  CAPLUS
DOCUMENT NUMBER:          141:179612
TITLE:                    Pharmaceutical composition and method for treatment of
                          a urea cycle deficiency or sickle-cell anemia
INVENTOR(S):              March, Graham Alan
PATENT ASSIGNEE(S):       Special Products Limited, UK
SOURCE:                   U.S. Pat. Appl. Publ., 11 pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     US 2004152784         A1    20040805    US 2003-622891          20030717 <--
PRIORITY APPLN. INFO.:                       US 2002-397828P     P   20020723 <--
AB   A pharmaceutical composition is disclosed comprising sodium 4-
     phenylbutyrate, an effective amount of at least one aromatic flavoring
     agent, and an effective amount of at least one synthetic sweetening agent.
     Also disclosed is a method of treatment of a urea cycle deficiency or
     sickle-cell anemia.


=> s acesulfame
L10       1789 ACESULFAME

=> s L7 and L10
L11          1 L7 AND L10

=> s L8 and L10
L12       1198 L8 AND L10

=> s L12 and (AY<2003 or PY<2003 or PRY<2003)
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
   2 FILES SEARCHED...
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
L13        691 L12 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> s flavoring agent
L14       6678 FLAVORING AGENT

=> s L13 and L14
L15         31 L13 AND L14

=> s aromatic
L16     643261 AROMATIC

=> s L15 and L16
L17          1 L15 AND L16

=> s L15 and fruit
L18         11 L15 AND FRUIT

=> dup rem L18
PROCESSING COMPLETED FOR L18
L19          10 DUP REM L18 (1 DUPLICATE REMOVED)

=> d L11 ibib abs
```

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:633292 CAPLUS
DOCUMENT NUMBER: 141:179612
TITLE: Pharmaceutical composition and method for treatment of a urea cycle deficiency or sickle-cell anemia
INVENTOR(S): March, Graham Alan
PATENT ASSIGNEE(S): Special Products Limited, UK
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004152784	A1	20040805	US 2003-622891		20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P	20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one aromatic flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

=> d L17 ibib abs

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:633292 CAPLUS
DOCUMENT NUMBER: 141:179612
TITLE: Pharmaceutical composition and method for treatment of a urea cycle deficiency or sickle-cell anemia
INVENTOR(S): March, Graham Alan
PATENT ASSIGNEE(S): Special Products Limited, UK
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004152784	A1	20040805	US 2003-622891		20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P	20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one arom. flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

=> d L19 1-10 ibib abs

L19 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:409042 CAPLUS
DOCUMENT NUMBER: 142:462727
TITLE: Flavor-sweetener additive for enhancing the desirability of a breakfast cereal or "bread".
INVENTOR(S): Pearce, Tony M.
PATENT ASSIGNEE(S): Edizone, Lc, USA
SOURCE: U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. Ser. No. 325,721.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 2005100651	A1	20050512	US 2004-934794		20040902	<--
US 2003224090	A1	20031204	US 2002-325721		20021220	<--
US 2003232177	A1	20031218	US 2003-364923		20030211	<--
US 2003236313	A1	20031225	US 2003-364903		20030211	<--
US 7138079	B2	20061121				
US 2003236339	A1	20031225	US 2003-364912		20030211	<--
US 6943198	B2	20050913				
US 2003234462	A1	20031225	US 2003-364921		20030211	<--
US 2004002560	A1	20040101	US 2003-364931		20030211	<--
US 7101247	B2	20060905				
US 2004009875	A1	20040115	US 2003-364902		20030211	<--
US 6890883	B2	20050510				
US 2004048018	A1	20040311	US 2003-364918		20030211	<--
PRIORITY APPLN. INFO.:			US 2002-356279P	P	20020211	<--
			US 2002-368821P	P	20020401	<--
			US 2002-325721	A2	20021220	<--

AB Methods and substances for creating a balanced flavoring agent for breakfast cereals and "breads" comprise balancing the sweetness levels by sweetener addition

L19 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:409041 CAPLUS
DOCUMENT NUMBER: 142:446389
TITLE: Method for a consumer to flavor a food or beverage using three or more balanced flavoring agents
INVENTOR(S): Pearce, Tony M.
PATENT ASSIGNEE(S): Edizone, Lc, USA
SOURCE: U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. Ser. No. 325,721.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 2005100648	A1	20050512	US 2004-934948		20040902	<--
US 2003224090	A1	20031204	US 2002-325721		20021220	<--
US 2003232177	A1	20031218	US 2003-364923		20030211	<--
US 2003236313	A1	20031225	US 2003-364903		20030211	<--
US 7138079	B2	20061121				
US 2003236339	A1	20031225	US 2003-364912		20030211	<--
US 6943198	B2	20050913				
US 2003234462	A1	20031225	US 2003-364921		20030211	<--
US 2004002560	A1	20040101	US 2003-364931		20030211	<--
US 7101247	B2	20060905				
US 2004009875	A1	20040115	US 2003-364902		20030211	<--
US 6890883	B2	20050510				
US 2004048018	A1	20040311	US 2003-364918		20030211	<--
PRIORITY APPLN. INFO.:			US 2002-356279P	P	20020211	<--
			US 2002-368821P	P	20020401	<--
			US 2002-325721	A2	20021220	<--

AB Methods and substances for creating a balanced flavoring agent comprise balancing the sweetness levels of three or more

sweeteners instead of balancing them by weight or volume

L19 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:633292 CAPLUS
DOCUMENT NUMBER: 141:179612
TITLE: Pharmaceutical composition and method for treatment of a urea cycle deficiency or sickle-cell anemia
INVENTOR(S): March, Graham Alan
PATENT ASSIGNEE(S): Special Products Limited, UK
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004152784	A1	20040805	US 2003-622891		20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P	20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one aromatic flavoring agent , and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

L19 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:716092 CAPLUS
DOCUMENT NUMBER: 137:237763
TITLE: Taste masked liquid pharmaceutical compositions
INVENTOR(S): Ulrich, Stephen A.; Zimm, Karen R.; Marc, Karel Jozef Francois; Willy, Maria Albert Carlo Dries
PATENT ASSIGNEE(S): Ortho-McNeil Pharmaceutical, Inc., USA
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2002072102	A1	20020919	WO 2002-US5794		20020226 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2440412	A1	20020919	CA 2002-2440412		20020226 <--
AU 2002258416	A1	20020924	AU 2002-258416		20020226 <--
US 2003032600	A1	20030213	US 2002-83776		20020226 <--
US 6806256	B2	20041019			
EP 1372662	A1	20040102	EP 2002-728359		20020226 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2002007930	A	20040302	BR 2002-7930		20020226 <--
JP 2004535370	T	20041125	JP 2002-571061		20020226 <--
MX 2003PA08056	A	20041015	MX 2003-PA8056		20030904 <--
US 2005118205	A1	20050602	US 2004-949278		20040924 <--
PRIORITY APPLN. INFO.:			US 2001-273472P	P	20010305 <--

US 2002-83776 A 20020226 <--
WO 2002-US5794 W 20020226 <--

AB A taste masked liquid pharmaceutical composition comprises a drug and a taste masking compound In particular, the taste masking composition comprises a taste masking effective amount of an artificial sweetener. Thus, a suspension contained levofloxacin hemihydrate 1-5.2, glycerin 2.5-20, sucrose 10-60, high fructose corn syrup (55%) 20-75, microcryst. cellulose and sodium CM-cellulose 0.1-1.4, sodium benzoate 0.01-0.5,propylparaben 0.01-0.03, butylparaben 0.006-0.05, citric acid 0.005-1.0, sucralose 0.05-2.5, xanthan gum 005-0.25, flavoring agent 0.02-0.06, debittering agent 0.0-1.0, sweetening agent 0.0-121.5 and water to 100%.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2002:476176 CAPLUS
DOCUMENT NUMBER: 138:105862
TITLE: Influence of compounds associated with fermented dairy products on the growth of lactic acid starter and probiotic bacteria
AUTHOR(S): Vinderola, C. G.; Costa, G. A.; Regenhardt, S.; Reinheimer, J. A.
CORPORATE SOURCE: Facultad de Ingenieria Quimica, Programa de Lactologia Industrial, Universidad Nacional del Litoral, Santa Fe, 3000, Argent.
SOURCE: International Dairy Journal (2002), 12(7), 579-589
CODEN: IDAJE6; ISSN: 0958-6946
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The growth of 24 strains of lactic acid starter bacteria (Streptococcus thermophilus, Lactobacillus delbrueckii subsp. bulgaricus and Lactococcus lactis) and 24 strains of probiotic bacteria (Lactobacillus acidophilus, Lactobacillus casei, Lactobacillus paracasei, Lactobacillus rhamnosus and bifidobacteria) in liquid media containing different substances was assessed. The substances used were salts (NaCl and KCl); sugars (sucrose and lactose); sweeteners (acesulfame and aspartame); aroma compds. (diacetyl, acetaldehyde and acetoin); natural colorings for fermented milk (red, yellow and orange colorings); flavoring agents (strawberry, vanilla, peach and banana essences); flavoring-coloring agents (strawberry, vanilla and peach); nisin, natamycin and lysozyme. Bacterial growth in the presence of natural fruit juices (green apple, kiwi, pineapple, peach and strawberry) with or without neutralization and cell viability in lactic acid acidified (pH 4 and 5) milk for 4 wk at 5°C were also studied.Some compds. (KCl, sweeteners, aroma compds., natamycin, flavoring agents and the peach flavoring-coloring agent) did not influence the growth of the strains in the concns. commonly used in the dairy industry. The effect of other substances (especially flavoring-coloring agents) on the growth of lactic acid starters and probiotic bacteria was strain-dependent. Natural fruit juices weakly inhibited mainly S. thermophilus strains. Cell viability during cold storage in acidified milk was satisfactory for L. delbrueckii subsp. bulgaricus and L. casei group strains. For L. acidophilus and Bifidobacterium, the decreases in cell counts at pH 5 were negligible. Nevertheless, decreases from 1.6 to 6.2 and from 0.1 to 7.6 log orders, resp. were observed at pH 4.

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:95929 CAPLUS

DOCUMENT NUMBER: 132:141961
TITLE: Phenylbutazone carrier formulation for administration to horses
INVENTOR(S): Gordon, Douglas J.
PATENT ASSIGNEE(S): Superior Equine Pharmaceuticals, Inc., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6022563	A	20000208	US 1999-240809		19990201 <--
PRIORITY APPLN. INFO.:			US 1998-73707P	P	19980204 <--

AB A powdered carrier formulation for delivery of phenylbutazone to animals contains phenylbutazone in combination with a flavoring agent and an anticaking agent. The carrier provides improved absorption into the horse's blood stream. A mixture was prepared containing phenylbutazone 100, saccharin 10, fresh green apple flavor 6, aspartame 4, and Flogard 4 kg. The mixture was blended and the finished product was tested for bacteria and potency before packaging in individual doses containing phenylbutazone 1, saccharin 0.1, fresh green apple flavor 0.06, aspartame 0.04, and Flogard 0.04 g per 3.5 mL spoonful of packed powder.
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 10 EMBASE COPYRIGHT (c) 2007 Elsevier B.V. All rights reserved on STN
ACCESSION NUMBER: 1994176390 EMBASE
TITLE: [Food additives. Flavoring agents].
ZUSATZSTOFFE IN LEBENSMITTELN. GESCHMACKSSTOFFE.
AUTHOR: Bender H.
CORPORATE SOURCE: Dr. H. Bender, Buchenwaldstrasse 7, 65193 Wiesbaden, Germany
SOURCE: Pharmazeutische Zeitung, (1994) Vol. 139, No. 21, pp. 28+30.
ISSN: 0031-7136 CODEN: PZSED5
COUNTRY: Germany
DOCUMENT TYPE: Journal; (Short Survey)
FILE SEGMENT: 029 Clinical and Experimental Biochemistry
037 Drug Literature Index
LANGUAGE: German
SUMMARY LANGUAGE: German
ENTRY DATE: Entered STN: 20 Jul 1994
Last Updated on STN: 20 Jul 1994

L19 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:590093 CAPLUS
DOCUMENT NUMBER: 113:190093
TITLE: Unpleasant taste masking compositions and methods for preparing them
INVENTOR(S): Cherukuri, Subraman Rao; Wong, Lucy Lee; Faust, Steven Michael
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
EP 371584	A2	19900606	EP 1989-309064		19890907	<--
EP 371584	A3	19900919				
EP 371584	B1	19950201				
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE						
US 5013716	A	19910507	US 1988-264281		19881028	<--
ES 2067548	T3	19950401	ES 1989-309064		19890907	<--
CA 1337589	C	19951121	CA 1989-610937		19890911	<--
NO 8904267	A	19900430	NO 1989-4267		19891026	<--
DK 8905369	A	19900429	DK 1989-5369		19891027	<--
DK 174894	B1	20040202				
AU 8943876	A	19900503	AU 1989-43876		19891027	<--
JP 02177870	A	19900710	JP 1989-278757		19891027	<--
JP 3060462	B2	20000710				
ZA 8908199	A	19910327	ZA 1989-8199		19891027	<--
PRIORITY APPLN. INFO.:			US 1988-264281	A	19881028	<--

AB Unpleasant tastes associated with certain flavoring agents , e.g. spearmint oil for chewing gum or pharmaceuticals, are masked using non-bitter, intensely sweet flavoring agents, e.g., sucralose. Chewing gum prepns. made with high concns. of sucralose (1000 ppm) were found to have a better flavor, lacking the off-note of spearmint oil, than lower concns. of sucralose, aspartame, acesulfame K, or saccharin.

L19 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:54096 CAPLUS
DOCUMENT NUMBER: 112:54096
TITLE: Chewing gum containing aspartic acid-derived sweetener and its stabilization
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 01043153	A	19890215	JP 1988-188585		19880729	<--
ZA 8804563	A	19890329	ZA 1988-4563		19880624	<--
PRIORITY APPLN. INFO.:			US 1987-79849	A	19870730	<--

AB A method of stabilizing sweeteners derived from L-aspartic acid such as aspartame is disclosed. The method comprises preparing (1) a gum base, a free sweetener, and organic acids; and (2) a gum base containing flavoring agents and water-containing agents. The ingredients 1 and 2 are arranged to form a surface-to-surface relation, or optionally the sweetener is encapsulated, so that the sweetener is not contacted with the flavoring agents and water in 2 to ensure its stability. In chewing gum containing encapsulated aspartame, aspartame conversion to diketopiperazine (less sweet) was inhibited.

L19 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
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TITLE: Encapsulation composition for use with chewing gum and edible products
INVENTOR(S): Yang, Robert K.
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
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PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 229000	A2	19870715	EP 1986-810619	19861231 <--
EP 229000	A3	19880330		
R: DE, ES, FR, GB, GR, NL, SE				
ZA 8609190	A	19870826	ZA 1986-9190	19861204 <--
AU 8666708	A	19870709	AU 1986-66708	19861218 <--
AU 581114	B2	19890209		
JP 01051981	B	19891107	JP 1987-240	19870106 <--
US 4740376	A	19880426	US 1987-67895	19870629 <--
US 4929447	A	19900529	US 1987-67894	19870629 <--
JP 02000408	A	19900105	JP 1989-84173	19890404 <--
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AB A method and composition for protecting an active ingredient and providing controlled release therefore, especially in a chewing gum composition, includes a high mol. weight poly(vinyl acetate) blended with a hydrophobic plasticizer (5:1-1:5, preferably 2:1-1:2) which forms a film with the high-mol.-weight poly(vinyl acetate) in the absence of an added solvent therefore. The active ingredient, such as the artificial sweetener aspartame, is blended into the encapsulating composition, e.g. by melt blend (1:1-1:10, preferably 1:3-1:5), which can then be cooled to a solid and ground into particulate. The encapsulated active ingredient can then be used in a composition for ingestion by a human in the form of e.g. a chewing gum with extended shelf life and highly controlled release of the active ingredient. Aspartame 40 g was encapsulated with a poly(vinyl acetate)-glyceryl monostearate (50 g:100 g) mixture by melt blending (85°), cooled, and ground to 30 mesh. These particulates were used at 2.6% to sweeten a gum- and sorbitol-based chewing gum.